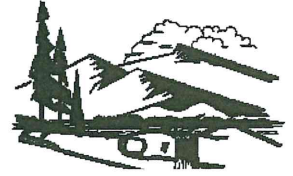




Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.



Todd Parfitt, Director

Matthew H. Mead, Governor

April 19, 2016

Shane Conley
Forterra Pipe and Precast
725 Bryan Stock Trail
Casper, WY 82601

RE: **APPROVAL** of Forterra's 1000-Gallon, Single-Compartment, Concrete Septic Tank for use in Wyoming.

Dear Mr. Conley:

The Water Quality Division (WQD) of the Wyoming Department of Environmental Quality (DEQ) has received the drawings and specifications for above referenced septic tank. The WQD evaluated this septic tank and determined that it basically meets the minimum requirements as identified in Chapter 25, Section 8 of the Wyoming Water Quality Rules and Regulations.

However, the inlet and outlet tees are not provided with this septic tank. DEQ's approval of this septic tank is contingent upon the proper installation of the inlet and outlet tees. **The septic tank inlet shall be provided with a tee. The outlet shall be provided with a tee that extends down at least 18 inches below the liquid surface level (i.e., outlet invert level) of the tank.**

This product will be placed on our list of approved septic tanks for use in Wyoming. The table below summarizes the dimensions for the Forterra's 1000-gallon, concrete septic tank.

Outside Dimensions (L x W x H)	104" x 56" x 86"
Maximum Cover Burial Depth	4 feet
Access Openings	Two 20-inch squares
Inlet / Outlet Height Difference	3 inches
Liquid Level (LL) Depth	58 inches
Clearances for scum and venting	14 inches total

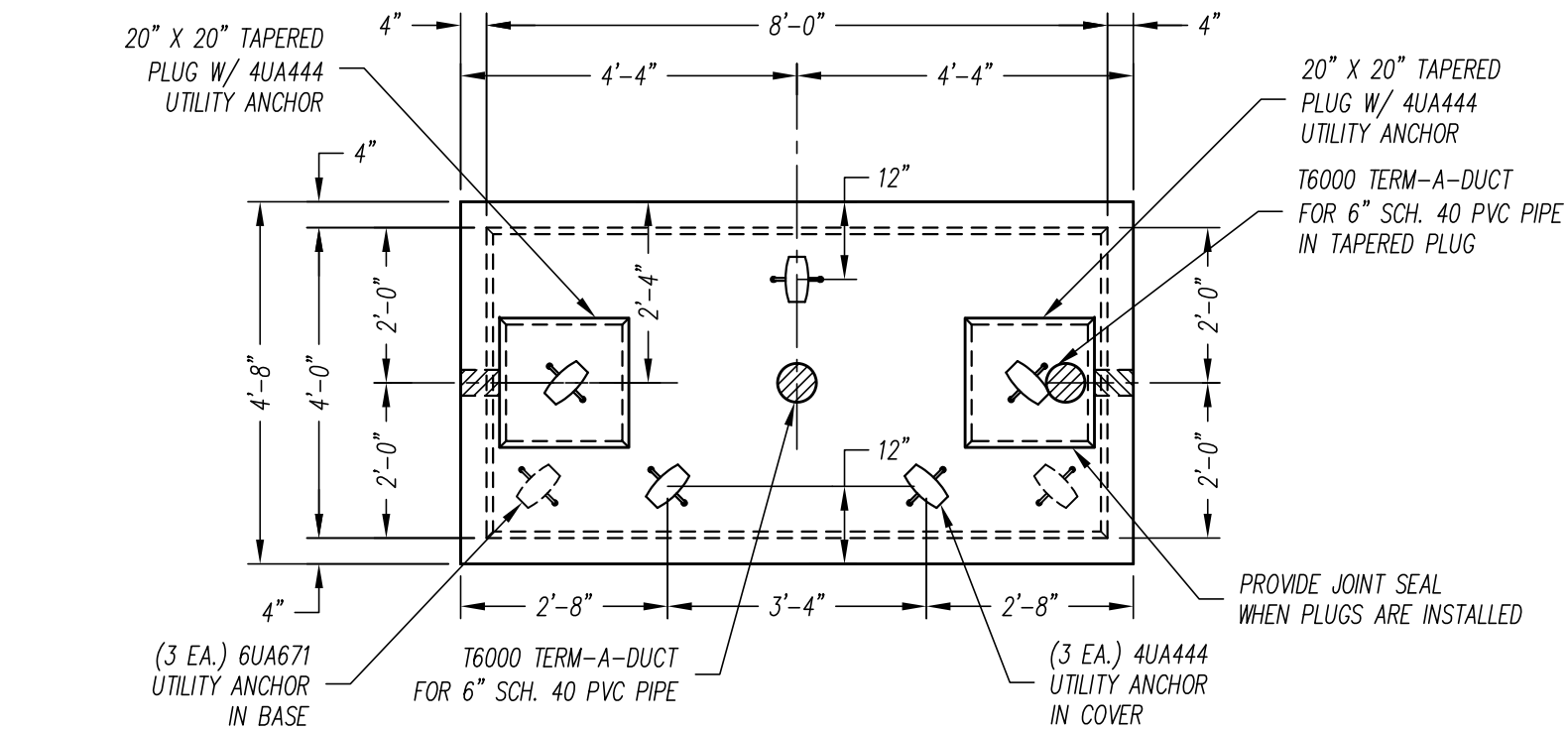
Sincerely;

Ryan McBride

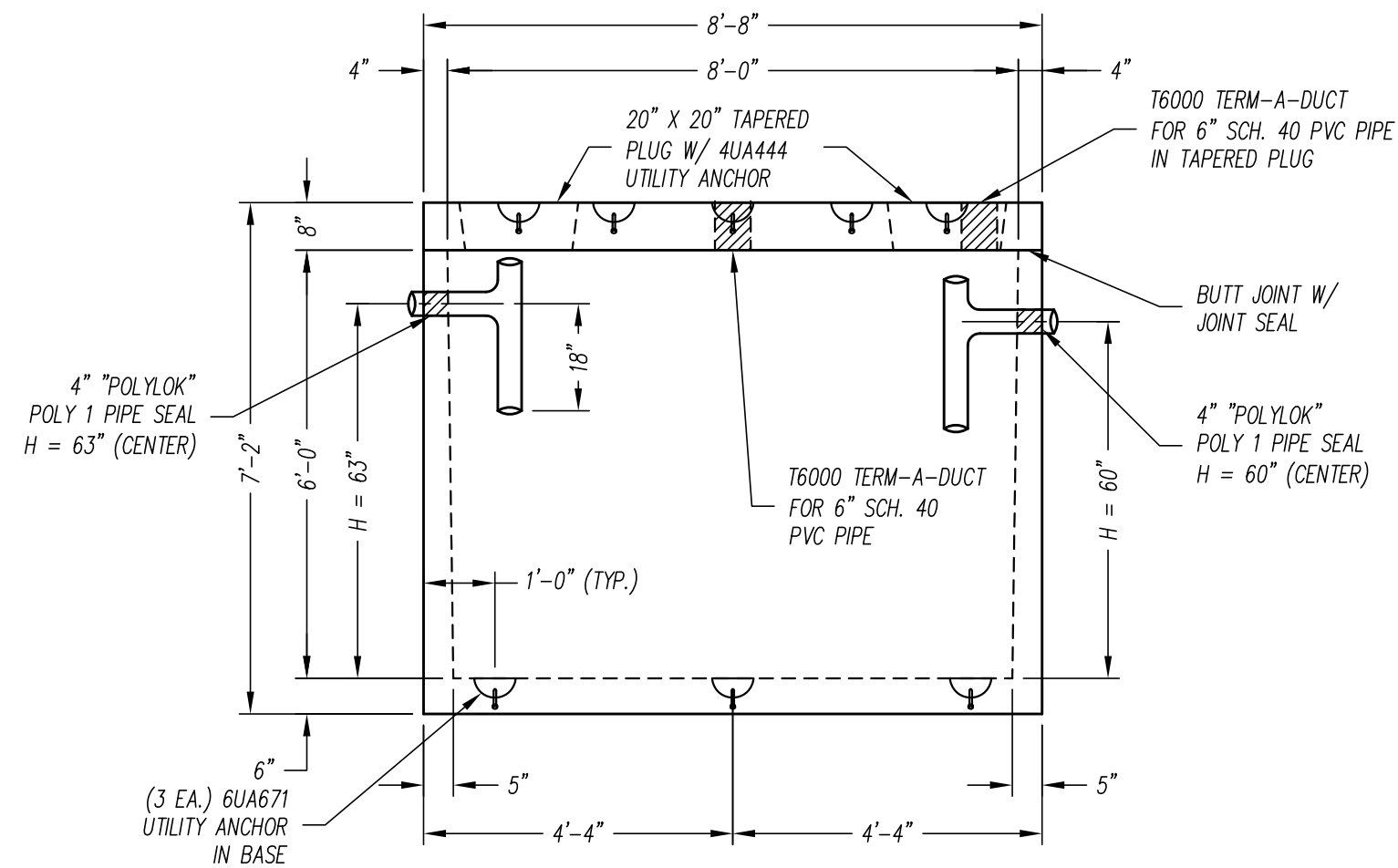
Ryan McBride, P.E.
Assistant Southeast District Engineer
Water Quality Division
RKM/rm/16-0385

Cc: DEQ Water & Wastewater Section (PDF)

Encl: Submitted Septic Tank Drawings



PLAN VIEW



ELEVATION VIEW

NOTES:

1. REINFORCING TO BE ASTM A-615 GRADE 60, $F_y = 60,000$ PSI (BAR)
2. CONCRETE TO BE 4500 PSI 28 DAY COMPRESSIVE STRENGTH.


MATERIAL LIST	
ITEM	QTY.
T6000 TERM-A-DUCT	2
4" POLYLOK POLY 1	2
JOINT SEALANT (1" X 14.5')	3
2" PVC TEES	2

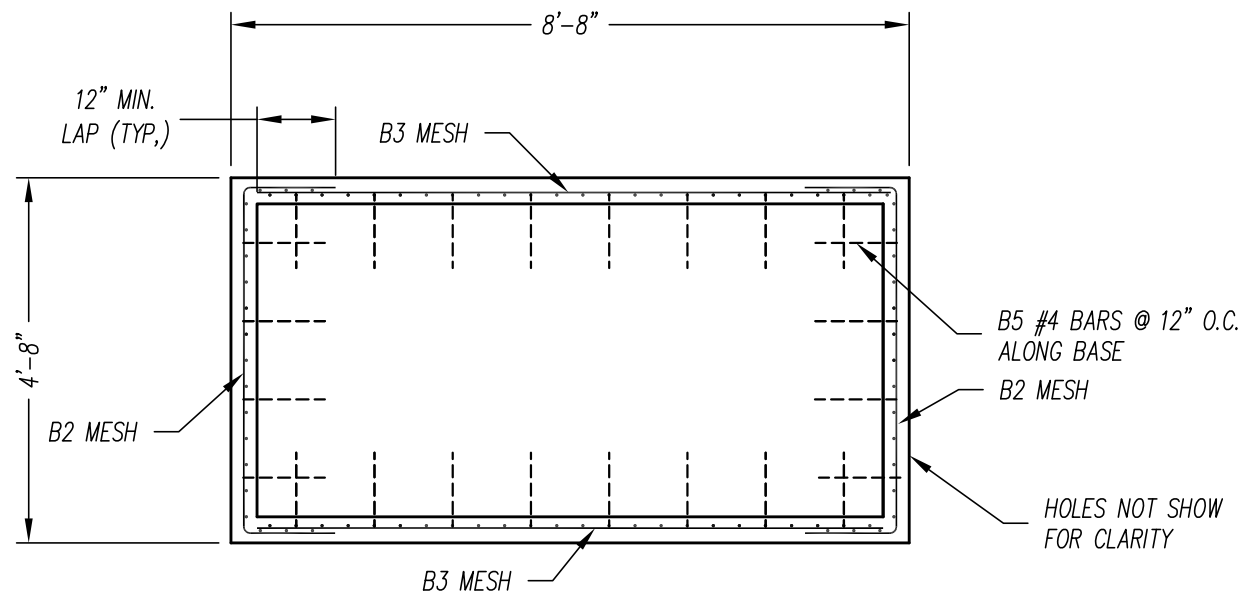
SEE SHEET "1000 SEPTIC TANK CVR" FOR COVER REINFORCING AND TAPERED PLUG DETAILS

1 STRUCTURE REQUIRED

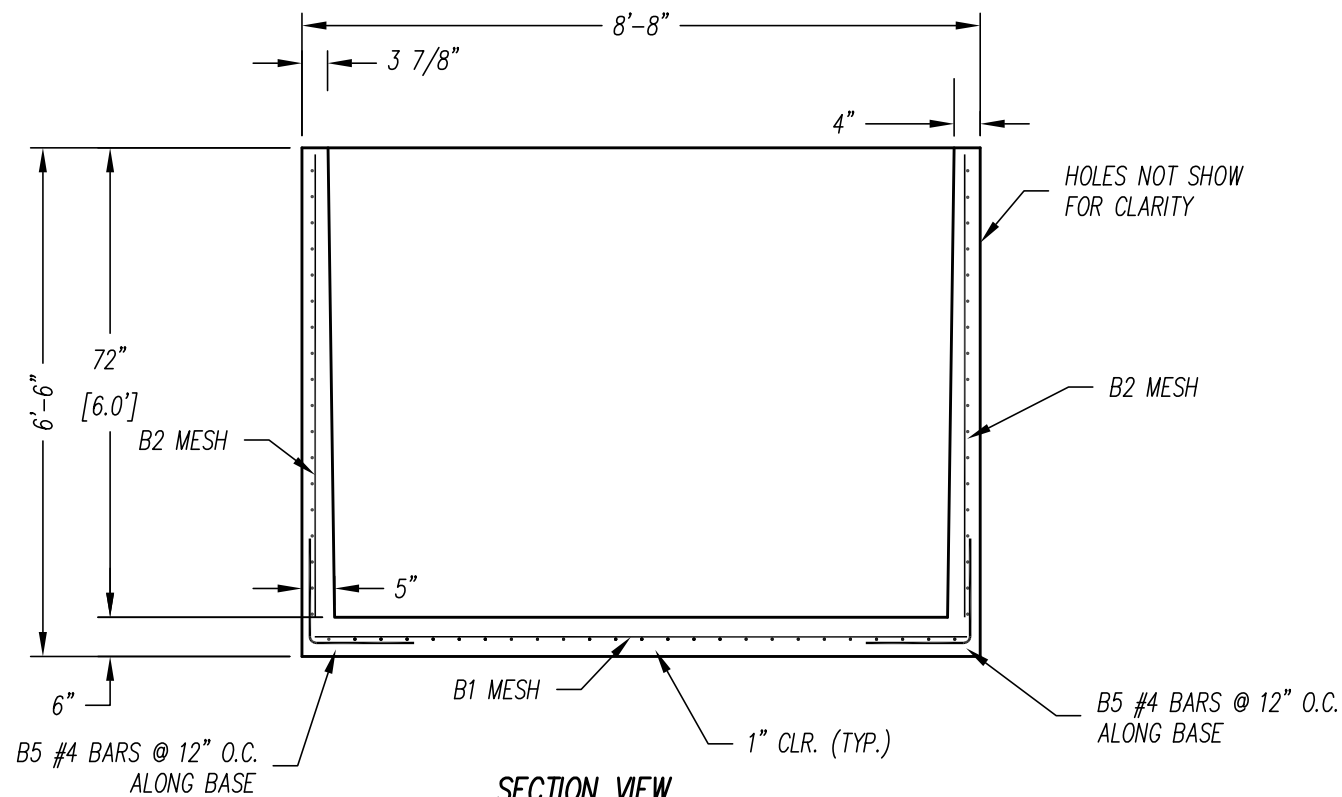
COVER WEIGHT = 4,000 LBS

TANK WEIGHT = 11,600 LBS

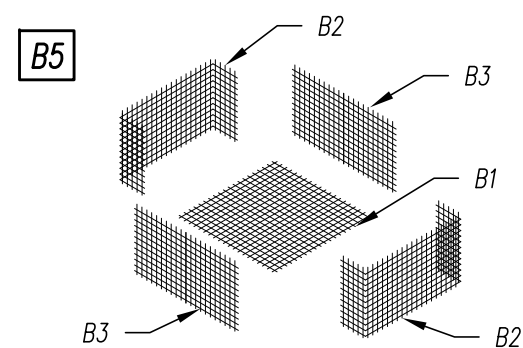
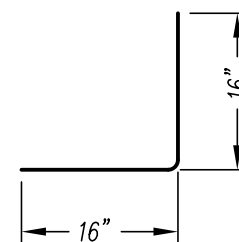
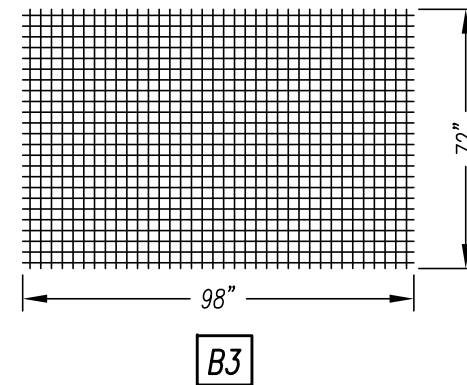
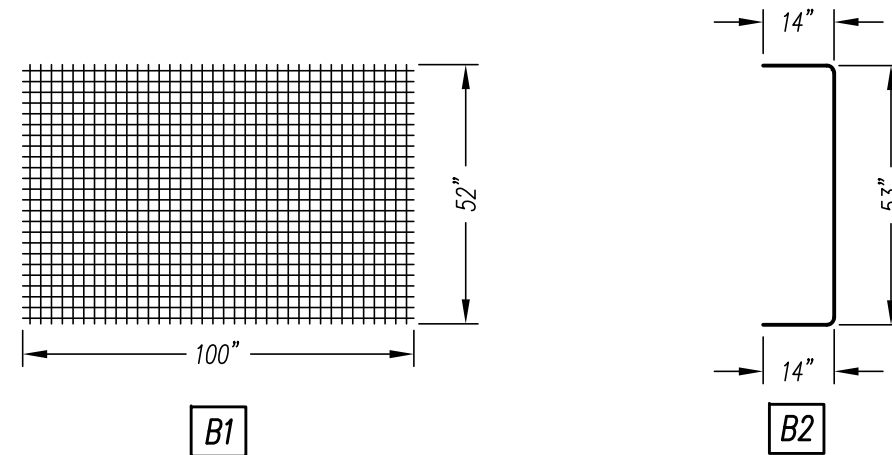
		Rapid City, South Dakota 2046 Samco Road, Suite 2 Rapid City, SD 57702 (605) 718-4111	
SCALE:	NONE	PROJECT: 1000 GALLON SEPTIC TANK	
DATE:	4/18/16		
OR#:	-		
DR'N BY:	CMP	CUSTOMER:	
CHK'D BY:	-	DWG NAME: 1000 GALLON SEPTIC TANK	
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PLAN VIEW



SECTION VIEW




REINFORCING LAYOUT VIEW

REINFORCING SCHEDULE

MARK	QTY.	MESH/BAR SIZE	LENGTH	WIDTH	WEIGHT	REMARKS
B1	1	4X4 D9.5 / D9.5	8'-4"	4'-4"	70 LBS	STRAIGHT
B2	2	4X4 D9.5 / D9.5	6'-9"	6'-0"	158 LBS	BENT
B3	2	4X4 D9.5 / D9.5	8'-2"	6'-0"	190 LBS	STRAIGHT
B5	24	#4	2'-8"	-	43 LBS	BENT

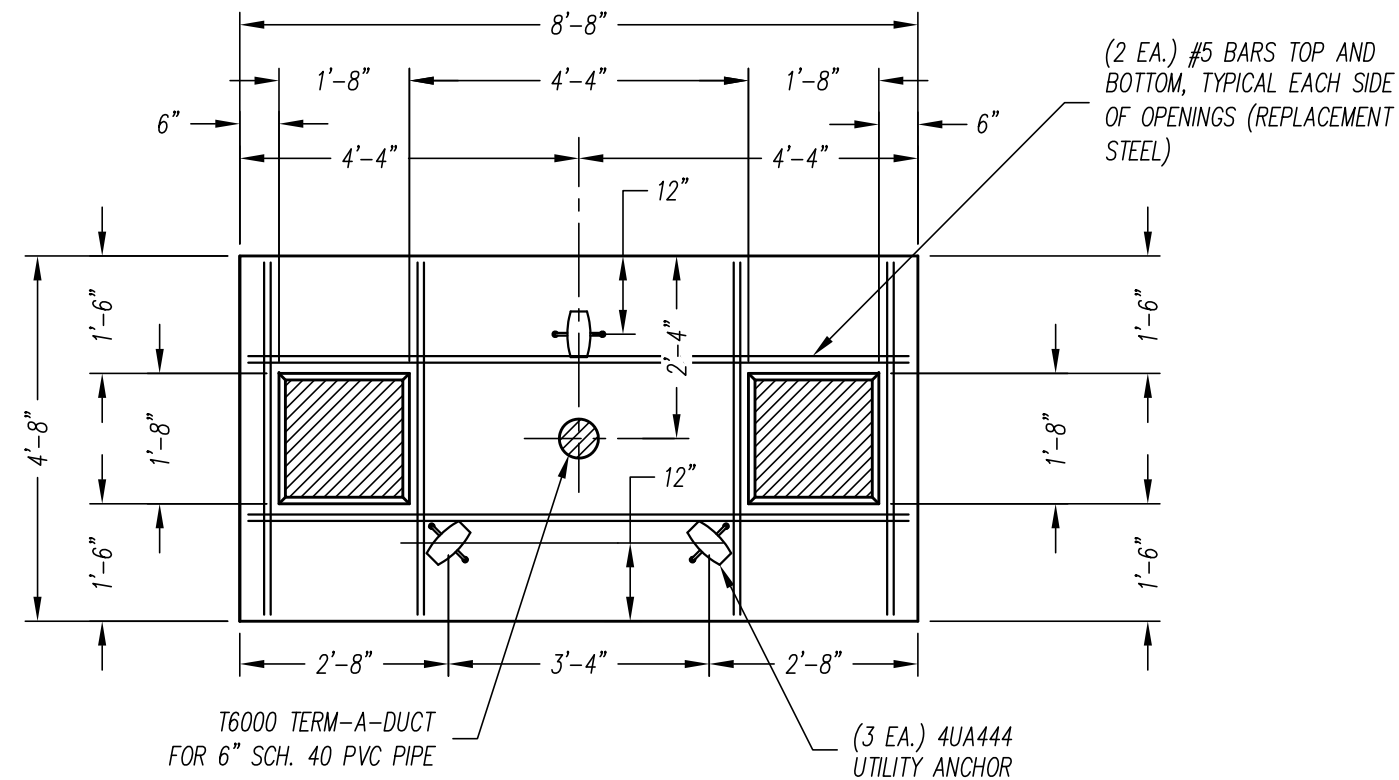
NOTES:

- REINFORCING TO BE ASTM A-615 GRADE 60, $F_y = 60,000$ PSI (BAR)
 $F_y = 65,000$ PSI (MESH) UNLESS NOTED OTHERWISE.

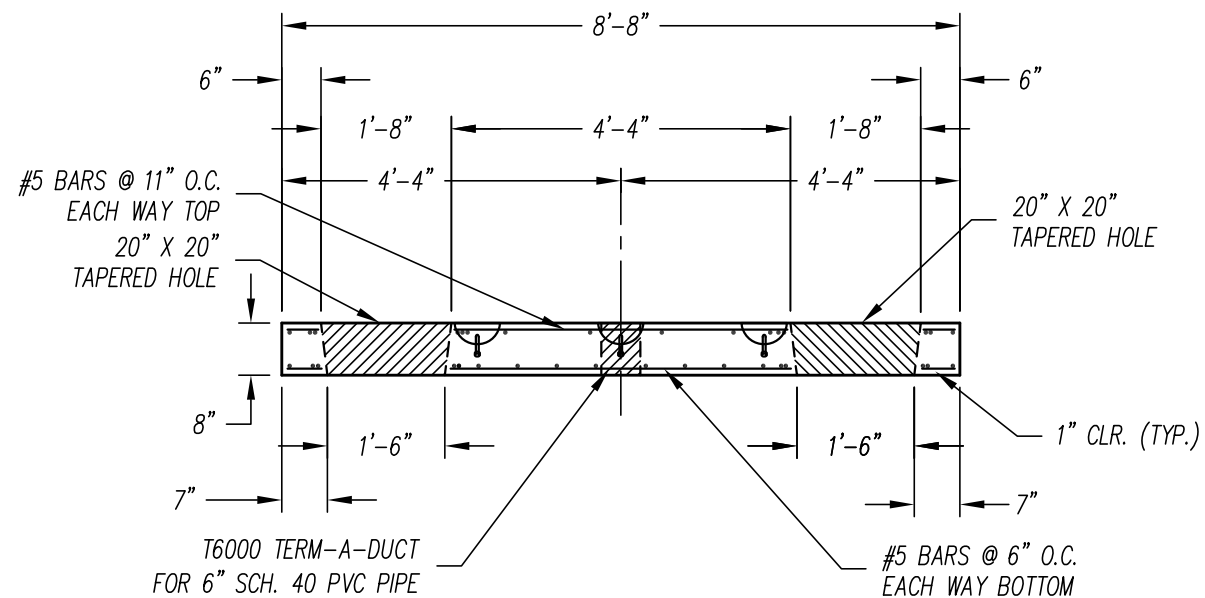


Rapid City, South Dakota
2046 Samco Road, Suite 2
Rapid City, SD 57702
(605) 718-4111

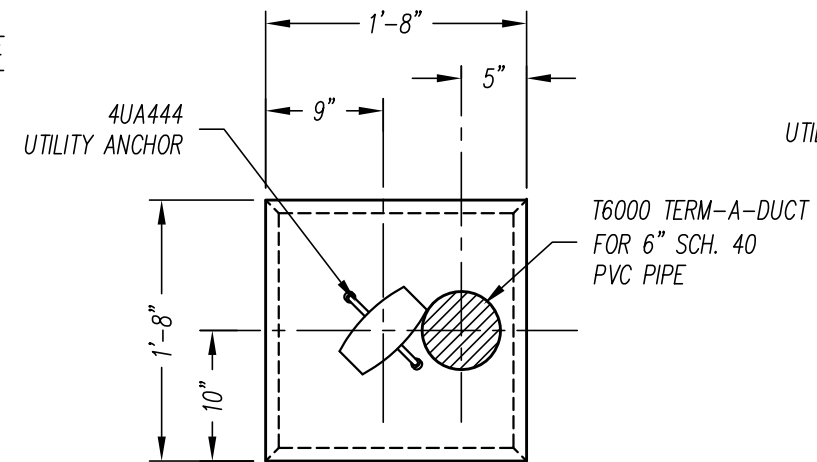
SCALE: NONE	PROJECT:
DATE: 4/18/16	1000 GALLON SEPTIC REINFORCING
OR#: -	
DR'N BY: CMP	CUSTOMER:
CHK'D BY: -	DWG NAME: 1000 GALLON REINF
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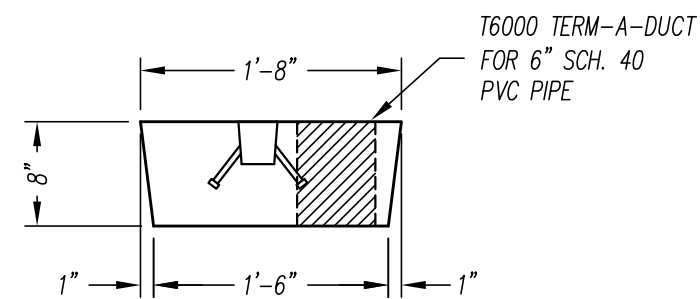
PLAN VIEW



SECTION VIEW



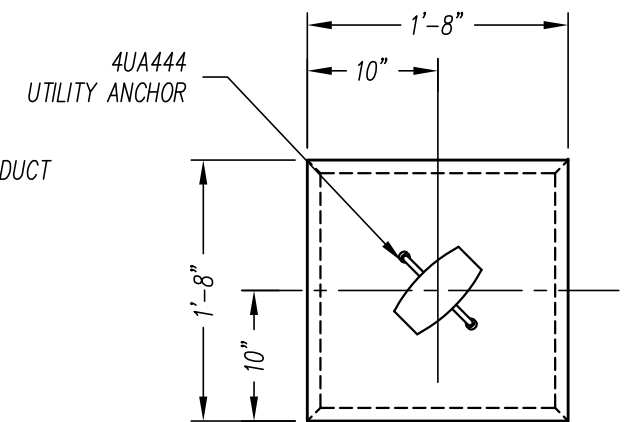
PLAN VIEW



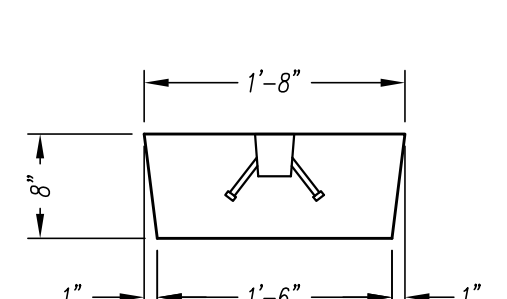
ELEVATION VIEW

TAPERED PLUG
W/ TERM-A-DUCT
1 REQUIRED

MATERIAL LIST	
ITEM	QTY.
T6000 TERM-A-DUCT	2



PLAN VIEW




ELEVATION VIEW

TAPERED PLUG
1 REQUIRED

PLUG WEIGHT = 270 LBS
COVER WEIGHT = 4,000 LBS

NOTES:

1. REINFORCING TO BE ASTM A-615 GRADE 60, $F_y = 60,000$ PSI (BAR)
2. COVER DESIGNED FOR HS-20 LOADING.

 FORTERRA™		Rapid City, South Dakota 2046 Samco Road, Suite 2 Rapid City, SD 57702 (605) 718-4111	
SCALE:	NONE	PROJECT: 1000 GALLON COVER	
DATE:	04/18/16		
OR#:	—		
DR'N BY:	CMP	CUSTOMER:	
CHK'D BY:	—	DWG NAME: 1000 GALLON COVER	
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